

EMPTY WEIGHT C.G. LOCATION DETERMINATION

All fuel and Oil drained before weighing

Aircraft in flying attitude	<u>Scale Reads</u>
Left wheel	327
Right wheel	327
Tail load	54
 Aircraft weight	<u>708 lbs</u>
 Distance C.G. aft of main wheels	= $\frac{54 \times (190 - 17)}{708}$
	= 13.5 inches
Distance main wheels aft of DATUM	= 5 inches
Distance C.G. aft of DATUM	= <u>16.5 inches</u>

MAXIMUM APPROVED GROSS WEIGHT LOADING SCHEDULE

	<u>Weight</u>	<u>Arm</u>	<u>Moment</u>
Empty aircraft (skiplane)	723	+ 16.5	+ 11800
Pilot & 'chute	190	+ 9.0	+ 1710
Pilot & 'chute rear	190	+ 36.0	+ 6840
Baggage	20	+ 49.0	+ 980
Fuel (12 U.S. gallons @ 6 lbs)	72	- 18.0	- 1295
Oil (1 U.S. gallon)	7.5	- 29.0	- 217.5
	<u>1202.5</u>	<u>- 16.5</u>	<u>- 19817.5</u>

EQUIPMENT LIST

	<u>Weight</u>	<u>Arm</u>
101. Propeller Sensenich 720-42		- 15
102. S.OO-4 main wheels Hayes 841, with tires and expander tubes with brakes	20	+ 3
304c. 6-2.00 steerable tailwheel Scott	5	+ 197
104. Carburettor oil intake & filter	3	- 44
311cl. Continental A-65-8		- 39
313. Exhaust muffler	3	- 39
203. Dual brake installation		
205. Scott brake pressure unit B-711		
Compass Airpath		
310. Ski installation		
Federal A-1500 main skis	34	+ 3
Federal AT-1500 tail ski	4	+ 197
One hand fire extinguisher 1 quart		

interchanges
with 102. &
304c. items

ADDITIONS :

Items listed above included in aircraft empty weight